Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Previously Presented) The method of claim 27, wherein the embedded controller tracks O_2 and CO_2 values by percentage.

6. (Previously Presented) The method of claim 27, wherein the step of displaying a warning message to a user occurs once the percentage gas sensor lifetime hours used measurement exceeds a percentage of said respective maximum percentage hours for the at least one gas sensor.

7. (Previously Presented) The method of claim 27, wherein the embedded controller tracks O_2 and CO_2 operation times.

8. (Currently Amended) The method of claim [[~~4~~]] 27, wherein said gas sensor is an O_2 sensor.

9. (Currently Amended) The method of claim [[~~4~~]] 27, wherein said gas sensor is a CO2 sensor.

10. (Currently Amended) A predictive warning system for incubator gas sensor failure, comprising:

at least one gas sensor disposed in an incubator housing;

an embedded controller for analyzing the at least one gas sensor for failure by adjusting a percentage gas sensor lifetime hours measurement for the at least one gas sensor;

means for normalizing the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor;

means for holding a gas concentration and a gas sensor temperature constant over a previous hour prior to performing the normalizing step;

means for calculating a measurement for the at least one gas sensor of a percentage lifetime hours used for comparison with ~~it's~~ a respective maximum percentage hours for the at least one gas sensor, wherein the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor is normalized, in said embedded controller, to an hour count ~~and~~ stored as a percentage measurement of lifetime hours used at a temperature of 20 degrees Celsius; and

an interface display for ~~indicating~~ predicting failure of the at least one gas sensor to a user.

11. (Previously Presented) The predictive warning system of claim 10, wherein said embedded controller tracks O_2 and CO_2 values by percentage.

12. (Original) The predictive warning system of claim 10, wherein said interface display is resettable.

13. (Previously Presented) The predictive warning system of claim 10, wherein said embedded controller tracks O_2 and CO_2 operation times.

14. (Currently Amended) The predictive warning system of claim 10, wherein said embedded controller adjusts ~~a~~ the percentage gas sensor lifetime hours measurement every hour.

15. (Currently Amended) The predictive warning system of claim 14, wherein said interface display indicates a warning message to said user once the percentage gas sensor lifetime hours used measurement exceeds a percentage of ~~their~~ said respective maximum percentage hours of the at least one gas sensor.

16. (Currently Amended) The predictive warning system of claim 15, wherein ~~said~~ the at least one gas sensor is an O_2 sensor.

17. (Currently Amended) The predictive warning system of claim 15, wherein ~~said~~ the at least one gas sensor is a CO_2 sensor.

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Currently Amended) The predictive warning system of claim 28, wherein ~~an~~ said embedded controller tracks O_2 and CO_2 values by percentage.

23. (Currently Amended) The predictive warning system of claim 28, wherein ~~an~~ said embedded controller tracks O_2 and CO_2 operation times.

24. (Previously Presented) The predictive warning system of claim 28, wherein said means for displaying a warning message to a user is resettable.

25. (Previously Presented) The predictive warning system of claim 28, wherein the at least one gas sensor is an O_2 sensor.

26. (Previously Presented) The predictive warning system of claim 28, wherein the at least one gas sensor is a CO_2 sensor.

27. (Currently Amended) A method of predicting failure of gas sensors in an incubator environment comprising the steps of:

analyzing at least one gas sensor for lifetime adjustment;

adjusting a percentage gas sensor lifetime hours measurement for the at least one gas sensor;

normalizing the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor;

holding a gas concentration and a gas sensor temperature constant over a previous hour prior to performing the normalizing step;

calculating a measurement for the at least one gas sensor of a percentage lifetime hours used for comparison with ~~it's~~ a respective maximum percentage hours for the at least one gas sensor;

repeating the adjusting step every hour as determined by a cumulative clock in an embedded controller, wherein the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor is normalized, in said embedded controller, to an hour count ~~and~~ stored as a percentage measurement of lifetime hours used at a temperature of 20 degrees Celsius; and

displaying a warning message to a user.

28. (Currently Amended) A predictive warning system for incubator gas sensor failure, comprising:

means for analyzing at least one gas sensor for lifetime adjustment;

means for adjusting a percentage gas sensor lifetime hours measurement for the at least one gas sensor;

means for normalizing the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor;

means for holding a gas concentration and a gas sensor temperature constant over a previous hour prior to performing the normalizing step;

means for calculating a measurement for the at least one gas sensor of a percentage lifetime hours used for comparison with ~~it's~~ a respective maximum percentage hours for the at least one gas sensor;

means for adjusting the percentage gas sensor lifetime hours measurement every hour, wherein the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor is normalized, in an embedded controller, to an hour count ~~and~~ stored as a percentage measurement of lifetime hours used at a temperature of 20 degrees Celsius; and

means for displaying a warning message to a user once the percentage gas sensor lifetime hours used measurement exceeds a percentage of ~~the at least one~~ respective maximum percentage hours for ~~said~~ the at least one gas sensor.